

Product datasheet for **TP312141L**

SMUG1 (NM_014311) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human single-strand-selective monofunctional uracil-DNA glycosylase 1 (SMUG1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC212141 representing NM_014311 Red=Cloning site Green=Tags(s)

MPQAFLLGSIHEPAGALMEPQPCPGSLAESFLEEELRLNAELSQLQFSEPVGIIYNPVEYAWEPHRNYVT
RYCQGPKVFLFLGMNPGPFGMAQTGVPFGEVSMVRDWLGIVGPVLTTPQEHPKRPVLGLECPQSEVSGAR
FWGFFRNLCGQPEVFFHHCFVHNLCPLLFLAPSGRNLTPAELPAKQREQLLGICDAALCRQVQLLGVRLV
VGVGRLAEQRARRALAGLMPEVQVEGLLHPSRNPQANKGWEAVAKERLNELGLLPLLLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	29.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_055126
Locus ID:	23583



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UniProt ID: [Q53HV7](#), [A0A024RAZ8](#)

RefSeq Size: 1570

Cytogenetics: 12q13.13

RefSeq ORF: 810

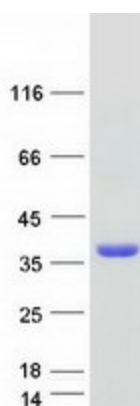
Synonyms: FDG; HMUDG; UNG3

Summary: This gene encodes a protein that participates in base excision repair by removing uracil from single- and double-stranded DNA. Many alternatively spliced transcript variants exist for this gene; the full-length nature is known for some but not all of the variants. [provided by RefSeq, Aug 2011]

Protein Families: Druggable Genome

Protein Pathways: Base excision repair

Product images:



Coomassie blue staining of purified SMUG1 protein (Cat# [TP312141]). The protein was produced from HEK293T cells transfected with SMUG1 cDNA clone (Cat# [RC212141]) using MegaTran 2.0 (Cat# [TT210002]).